IN THE CLAIMS

Claims 1-34 (canceled)

35. (new) A process comprising coating a surface of a metallic object with an aqueous, acidic composition to form a coated metal, wherein said aqueous, acidic composition comprises:

> 8 50 g/l of phosphate, calculated as PO₄, to

0.5 30 g/l of zinc ions, to

0 5 g/1of manganese ions. to

0 to 8 g/l of calcium ions,

0 5 g/l of magnesium ions,

wherein at least 0.1 g/l of calcium or/and magnesium ions are present,

0.1 to 5 g/l of nitroguanidine,

0 to 2 g/L NO₃,

0 to $< 0.8 \text{ g/L NO}_2$,

0.1 10 g/l in total of at least one of chlorate or peroxide ions,

in total 0 to 16 g/l of complex fluoride (MeF4 or/and MeF6) of Me = B, Si, Ti, Hf or/and Zr and

> 0 to 5 g/l of fluoride ions

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1; and cold forming the coated metal.

- 36. (new) A process according to claim 35, wherein the composition comprises not more than 1 g/l of nitrate.
- 37. (new) A process according to claim 35, wherein the composition comprises not more than 0.5 g/l of nitrite.
- 38. (new) A process according to claim 35, wherein the composition comprises complex fluoride or/and fluoride ions to magnesium ions in a ratio of (MeF₄, MeF₆ or/and F'): Mg in the range from 0.1:1 to 10:1.
- 39. (new) A process according to claim 35, wherein the composition comprises complex fluoride or/and fluoride ions to calcium ions in a ratio of (MeF₄, MeF₆ or/and F): Ca in the range from 0.1:1 to 10:1.
- 40. (new) A process according to claim 35, wherein the composition further comprises up to 2 g/l nickel ions.
- 41. (new) A process according to claim 35, wherein the composition comprises chloride ions in the range up to 5 g/l.
- 42. (new) A process according to claim 35, wherein the composition further comprises up to 2 g/l sulfate ions.

65199863.1

43. (new) A process according to claim 35, wherein the composition comprises fluoroborate.

FULBRIGHT JAWORSKI

- 44. (new) A process according to claim 24, wherein the composition comprises from 0.1 to 5 g/l BF₄
- 45. (new) A process according to claim 24, wherein the composition comprises from 0.2 to 3 g/l BF₄.
- 46. (new) A process according to claim 35, wherein the pH of the composition is maintained in the range from 0.1 to 4.
- 47. (new) A process according to claim 35, wherein a phosphate layer which has at least one of a layer thickness in the range from 0.02 to 15 μ m or a layer weight in the range from 0.5 to 25 g/m² is formed on said surface.
- 48. (new). A process according to claim 35, wherein a phosphate layer which has an average edge length of the phosphate crystals of less than 20 μ m or even of less than 10 μ m and at the same time has a layer thickness with a layer weight in the range of 1.5 to 18 g/m² is formed on the surface.
- 49. (new) A process according to claim 48, wherein the layer weight is from 2 to 15 g/m².

65199863.1

- 50. (new) A process according to claim 35, wherein after the formation of the phosphate layer at least one layer comprising lubricant is applied.
- 51. (new) A process for coating surfaces of metallic objects with a phosphating solution to form a coated metal, wherein the ratio of the pickling crosion on the metallic surface, measured in g/m², to the layer weight of the phosphate layer, measured in g/m², lies at values below 75% and wherein the ratio of free acid to total acid of said solution is from 0.25:1 to 0.11 to 1, and coldforming the coated metal.
 - 52. (new) An aqueous phosphating solution comprising:
 - 8 to 100 g/l of phosphate, calculated as PO₄,
 - 0.5 to 60 g/I of zinc ions,
 - 0 to 10 g/l of manganese ions,
 - 0 to 16 g/l of calcium ions,
 - 0 to 10 g/I of magnesium ions,

wherein at least 0.1 g/l of at least one of calcium or magnesium ions are present, 0.05 to 10 g/l of nitroguanidine,

- 0 to 2 g/l of nitrate,
- 0.1 to 10 g/l in total of chlorate or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride (MeF4 or/and MeF6) of Me = B, Si, Ti, Hf or/and Zr and

0 to 5 g/l of fluoride ions

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

- 53. (new) A metallic object coated produced by the process of claim 35 that is coldformed.
- 54. (new) A process comprising coating a surface of a metallic object with an aqueous, acidic composition to form a coated metal, wherein the aqueous, acidic, composition consists essentially of:
 - 8 to 50 g/l of phosphate, calculated as PO₄,
 - 0.5 to 30 g/l of zinc ions,
 - 0 to 5 g/l of manganese ions,
 - 0 to 8 g/l of calcium ions,
 - 0 to 5 g/l of magnesium ions,

wherein at least 0.1 g/l of calcium or/and magnesium ions are present,

- 0.1 to 5 g/l of nitroguanidine,
- 0.1 to 10 g/l in total of chlorate or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride (MeF₄ or/and MeF₆) of Me = B, Si, Ti, Hf or/and Zr and

0 to 5 g/l of fluoride ions

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1, and coldforming the coated metal.

65199863.1 -6-

55. (new) A process comprising coating a surface of a metallic object with an aqueous, acidic composition to form a coated metal, wherein the aqueous, acidic composition consists of:

```
8 to 50 g/l of phosphate, calculated as PO<sub>43</sub>
```

0.5 to 30 g/l of zinc ions,

0 to 5 g/l of manganese ions,

0 to 8 g/l of calcium ions,

0 to 5 g/l of magnesium ions,

wherein at least 0.1 g/l of calcium or/and magnesium ions are present,

0.1 to 5 g/l of nitroguanidine,

0.1 to 10 g/l in total of chlorate or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride (MeF₄ or/and MeF₆) of Me = B, Si, Ti, Hf or/and Zr and

0 to 5 g/l of fluoride ions

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

56. (new) An aqueous phosphating solution consisting essentially of:

8 to 100 g/l of phosphate, calculated as PO₄,

0.5 to 60 g/l of zinc ions,

0 to 10 g/l of manganese ions,

0 to 16 g/l of calcium ions,

0 to 10 g/l of magnesium ions,

wherein at least 0.1 g/l of calcium or/and magnesium ions are present,

0.05 to 10 g/l of nitroguanidine,

0 2 g/l of nitrate, to

212-318-3400

0.1 10 g/l in total of chlorate or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride (MeF4 or/and MeF6) of Me = B, Si, Ti, Hf or/and Zr and

> 0 5 g/l of fluoride ions

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

- 57. (new) An aqueous phosphating solution consisting of:
 - 8 100 g/l of phosphate, calculated as PO₄, to
 - 0.5 60 g/l of zinc ions, to
 - 0 to 10 g/l of manganese ions,
 - 0 16 g/l of calcium ions, to
 - 10 g/l of magnesium ions,

wherein at least 0.1 g/l of calcium or/and magnesium ions are present,

0.05 to 10 g/l of nitroguanidine,

- to 2 g/l of nitrate,
- 0.1 10 g/l in total of chlorate or/and peroxide ions,

in total 0 to 16 g/l of complex fluoride (MeF4 or/and MeF6) of Me = B, Si, Ti, Hf

or/and Zr and

0 5 g/l of fluoride ions

65199863.1

212-318-3400

wherein the total content of complex fluoride and fluoride ions is in the range from 0.1 to 18 g/l and wherein the ratio of free acid to total acid is from 0.25:1 to 0.11 to 1.

65199863.1 -9-